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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/926,436	01/18/2002	Steven Spicer	T8466295US	4258
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26912 7590 10/18/2006

GOWLING LAFLEUR HENDERSON LLP
SUITE 1600, 1 FIRST CANADIAN PLACE
100 KING STREET WEST
TORONTO, ON M5X 1G5
CANADA

EXAMINER

GEREZGIHER, YEMANE M

ART UNIT	PAPER NUMBER
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2144

DATE MAILED: 10/18/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/926,436

Applicant(s)

SPICER ET AL.

Examiner

Yemane M. Gerezgiher

Art Unit

2144

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 April 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8, 10-14 and 16-19 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8, 10-14 and 16-19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 18 January 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Response filed on 04/25/2006 has been entered. Claims 1-8, 10-14 and 16-19 are now pending in this application.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-8, 10-14 and 16-19 are rejected under 35 U.S.C. 102(e) as being anticipated by Lodwick (U.S. Patent Number 6,978,299).

As per claim 1: Lodwick disclosed a secure network resource access system for facilitating access to a network printer located behind a firewall, the secure network resource access system [abstract, Fig. 1, Column 3, Lines 2-20 and Column 5, Lines 48-60] comprising: a proxy server located logically outside a firewall from a data source located outside the firewall, the proxy server having a queue for storing the received data, the printing data being associated

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with the network printer [Column 5, Line 48 through Column 6, Line 39 and Fig. 1 # 50 (Spooling server having therein a spooling Queue # 52) logically located outside of a firewall # 70]; and a polling server located logically behind the firewall, the polling server being configured for polling the proxy server to pull the received printing data across the firewall from the queue of the proxy server to the polling server [Abstract, Fig. 1 # 100 (Polling device) logically located behind a firewall # 70, and Column 6, Lines 10-47].

As per claims 2, 4, 5: Lodwick disclosed network printer including an alias name, and the application data includes the alias name of one of the network printer, and the polling server is configured to direct the received printing data to the one network printer in accordance with alias name [Column 13, Lines 27-55, Column 14, Lines 39-57 and Fig. 7 # 801 (target printer ID) and Fig. 6 # 210].

As per claim 3, this claim has substantially the same scope functional limitations as recited in claim 1 above, and it is rejected with the same rationale.

As per claims 6 and 12, Lodwick disclosed an enterprise server for obtaining the received data from the polling server and for distributing the received printing data to the network printer [Column 3, Lines 10-65].

Claims 7 and 13 have substantially similar limitations as claims 2, 4 and 5 above. Thus, claims 7 and 13 are rejected with the same rationale.

As per claims 8 and 14, wherein the data source is a network terminal configured to/for communication with the network printer. [See Fig. 1, # 12 client device and Column 13, Lines 10-14].

As per claims 10 and 16, Lodwick disclosed that the received printing data is selected from the group comprising: text; image; and multimedia data [Column 4, Lines 47-54 and Column 11, Lines 27-34].

As per claims 11 and 17, Lodwick disclosed that the received printing data was in a format suitable for processing by the network printer [Column 9, Lines 26-27].

As per claim 18, wherein the system facilitates access to a plurality of network printers. [Column 3, Lines 18-20].

As per claim 19, wherein the method facilitates secure access to a plurality of network printers. [Abstract, Column 18-20, Column 6, Lines 40-47 and Column 5, Lines 48-60].

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary

skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1-8, 10-14 and 16-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Grantges (U.S. Patent Number 6,324,648) in view of Lodwick (U.S. Patent Number 6,978,299)

As per claim 1, a proxy server located logically outside a firewall from a data source located outside the firewall, the proxy server having a queue for storing the received data, the printing data being associated with the network printer; [See abstract, Figure 1, Column 5 Lines 58-67: Grantges disclosed a proxy server logically located outside a firewall of an enterprise network] and a polling server located logically behind the firewall, the polling server being configured for polling the proxy server to pull the received printing data across the firewall from the queue of the proxy server to the polling server. [See Figure 1: Grantges disclosed an application gateway having therein a proxy server for receiving request messages originated from a client terminal in a public network and an enterprise server logically located behind the firewall of the enterprise network].

Grantges substantially disclosed the invention as claimed. However, Grantges failed to teach a polling server located logically behind the firewall, the polling server being configured for polling the proxy server to pull the

received printing data across the firewall from the queue of the proxy server to the polling server.

However, as evidenced by the teachings of Lodwick above in the anticipation rejection, a polling server located logically behind the firewall, the polling server being configured for polling the proxy server to pull the received printing data across the firewall from the queue of the proxy server to the polling server was clearly disclosed. See Lodwick, abstract, Column 5, Line 48 through Column 6, Line 39 and Fig. 1 # 50 (Spooling server having therein a spooling Queue # 52) logically located outside of a firewall # 70, Fig. 1 # 100 (Polling device) logically located behind a firewall # 70, and Column 6, Lines 10-47.

Thus, it is respectfully submitted that it would have been obvious to one of ordinary skill in the art at the time the invention was made to take the teachings of Lodwick related to a polling server located logically behind the firewall, the polling server being configured for polling the proxy server to pull the received printing data across the firewall from the queue of the proxy server to the polling server and have modified the teachings of Grantges related to access control of network resources because "It would be further advantageous to provide a printing system based on "pull" technology (i.e. technology which enables a print job to be printed upon request, where the print file is only delivered in response to said request). Such technology would enable a system

that allows a user to print to a destination printer or printer pool that may be located anywhere, in a reliable, efficient, and secure manner” Lodwick, Column 2, Lines 54-60.

As per claim 3, this claim has substantially the same scope functional limitations as recited in claim 1 above, and it is rejected with the same rationale.

As per claims 2 and 4, Grantges disclosed “alias” (URL) identifying the application server resource and further the application including “alias” (additional identifier of a specific function such as “/billing” implying an application involving billing information and where the “polling server” (application gateway having therein a proxy server for polling request messages) and directing the received application request to the appropriate resource accordingly. See Column 7 Lines 1-8, Column 10 and Lines 32-54).

As per claim 5, Grantges disclosed a step of directing the received data to the network resource in accordance with the associated alias name. [See Fig. 1: Grantges disclosed an application gateway having therein a proxy server for polling request messages originated from a client terminal in a public network and an enterprise server logically located behind the firewall of the enterprise network directing the request data to the appropriate network resource].

As per claims 6 and 12, Grantges disclosed an enterprise server for obtaining the received data from the polling server and for distributing the

received data to the network resource [Fig.1, an application gateway distributing the requested network resource applications].

As per claims 7 and 13, wherein the alias name uniquely identifies a physical network location of the network resource and is associated with a physical property of the network resource. [These claims have similar limitation as the already rejected claim 2 above and are rejected with the same rationale. Furthermore, Grantges disclosed a URL (alias name), which is usually interchangeable or associated with an IP address that is statically or permanently assigned to a server (network resource), where the network resource is physically located some where on the network. See Column 7 Lines 1-8, Column 10 and Lines 32-54].

As per claims 8 and 14, wherein the data source is a network terminal configured for communication with the network resource. [See Fig. 1, network terminal having therein a web browser configured to communicate with the network resource in the network].

As per claims 10 and 16, Lodwick disclosed that the received printing data is selected from the group comprising: text; image; and multimedia data [Column 4, Lines 47-54 and Column 11, Lines 27-34].

As per claims 11 and 17, Lodwick disclosed that the received printing data was in a format suitable for processing by the network printer [Column 9, Lines 26-27].

As per claim 18, wherein the system facilitates access to a plurality of network resources. [See Fig. 1, Grantges disclosed providing an access to plurality of resources (App.1, App.2, App.3 and so forth) with in the secured enterprise network].

As per claim 19, wherein the method facilitates secure access to a plurality of network resources. [See Col.3, Lines 7-16, Col. 4, Lines 23-32 and Fig. 1, Grantges disclosed a secured access using SSL ("HTTPS") referenced by #'s 54, 58, 60 and 62].

Response to Arguments

6. Applicant's arguments with respect to the claims have been considered but are moot in view of the new ground(s) of rejection.

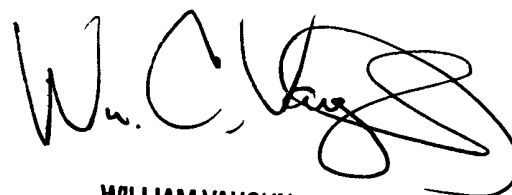
Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yemane M. Gerezgiher whose telephone number is (571) 272-3927. The examiner can normally be reached on 9:00 AM - 6:00 PM Mon - Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William C. Vaughn can be reached on (571) 272-3922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Yemane M. Gerezgihier
Examiner, TC 2100


WILLIAM VAUGHN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100